MIT Apathy Prevails

This Political Season

By Zaroea Hussain

In preparation for today's national and local elections, several student groups have been campaigning, registering voters, and distributing campaign literature.

The emphasis for these groups this election season has been less on local elections, said Steve V. Jens '97, chairman of the College Republicans. "The overall emphasis has been the importance of local politics, although it has been quite low."

Jens said that he's been the emphasis on local elections has been low because, "We haven't done much on campus due to lack of manpower and lack of funding to attract membership. We had a poor turnout at our only general meeting this year." said William R. Schneider '98, MIT College Republicans secretary. Another stumbling block for the Republicans has been President Clinton's command line in the polls.

"As citizens, we should each vote for those candidates which we believe will be the best plan for a strong future," said Jens. "As assessing candidates, I would look for a candidate who has a strong record in our country's history and a strong campaign faced with the current issues." By Venkatesh Satish

CEG Will Be Revived

For Fall Term 1997

By Venkatesh Satish

After experiencing some trouble over the past year, the Course Evaluation Guide in being revived this semester so that reviews of this term's classes will be ready for fall 1997.

Last semester, the CEG did not collect course evaluation data, so there will not be a guide to help students choose classes for spring 1999. In order to ensure that the guide will continue, leaders of the CEG, a committee of the Undergraduate Association, met with administrators last term to discuss the problems with putting out the guide.

As a result, two teams that will look into short-term and long-term solutions were formed, and classes will definitely be evaluated this fall, said UA President Richard Y. Lee '99.

"I don't think it will be that difficult to put the guide together because the positions will all be paid, and the work will take place during the Independent Activities Period," Lee said.

Guide requires a lot of work

One of the problems the guide encountered in recent years is that "it became a burden on students, and the faculty weren't being cooperative," said federico Bernal '97, former editor in chief of the CEG. "The most time-consuming work would have been near the end of the semester, when the school work kicks in," Bernal said.

This burden will no longer be as much of a problem because there would be an open house hosted by the Dean's Office on the first floor of the Religious Activities Center. The meeting is an opportunity for students to meet deans from the Dean's Office, ask them questions, and share their concerns about the Institute.

There will be a second meeting on Thursday at 5 p.m. in the Religious Activities Center for those interested in serving on the Dean's Office student advisory council.

Dean's Office Hosts Student Meetings

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INSIDE

- Entrepreneurs prepare for this year's 65K competition. Page 6

- APO revives Spring Carnival to bring groups together. Page 9

- Chairman of the Corporation Paul E. Gray reflects on MIT's endowment. Page 25
California Judge Lets Fraud Suit Against Tobacco Firms Go Forward

**The Washington Post**

A Superior Court judge in California has permitted a massive fraud suit against the major tobacco companies and the Council for Tobacco Research to go forward.

Jude Robert E. May late last week rejected arguments from the defendants that the case should be thrown out of court. However, the case is not expected to go to trial until early 1998.

"This was a big win," said Patrick J. Coughlin, attorney for the plaintiffs. "The defense has tried to have this case thrown out, but the judge said one thing and did something else."

The tobacco companies, which control the industry, defeated the public protest as early as 1956 when it announced the creation of an independent research council to investigate the alleged dangers of smoking.

The council's creation, made in the wake of media coverage of scientific studies that cigarette tar condensate caused fatal tumors in mice, was announced in advertisements in more than 400 newspapers around the country.

**Rumor Mill Spins Out Scenarios Of Yeltsin Heart Surgery**

By Blaine Harden

The conspiracy theorists' version holds that Russian President Boris N. Yeltsin's heart surgery has been delayed since September out of concern about what he really needs is a transplant and the search is on for a donor.

The pragmatists' assumption is that the bypass operation will be Thursday, the start of a three-day holiday during which Russian financial markets will be closed and invulnerable to the nail-biting that will follow the operation.

The cynics' expectation is that Yeltsin will go under the knife Tuesday, so that even this most closely watched heart attack in history will be over before the week's end.

And the truly paranoid believe the surgery will never happen because the Kremlin leader died weeks ago or because he would be rushed to a hospital only to die in the operating room.

In the absence of reliable information about when and how the leader of this nuclear-armed country will be operated on, wild stories and speculation about his day with destiny are rife throughout the land.

Kremlin secrecy has taken over in the Kremlin as final preparations for the operation are under way. Despite a decade having passed since former Kremlin leader Mikhail S. Gorbachev inaugurated "platonism," a policy of more openness with the people, no one in the know will discuss the president's operation.

**Weathers**

**Vox Populi**

By Marek Zebrowski

**Staff Columnist**

**The Contra好事**

**The Daily Weather**

For the second time in three days, a U.S. F-16 jet fighter fired a missile at an Iraqi air-defense site Monday after the site's radar apparently targeted the Pentagon, a defense official said.

Reacting cautiously, Defense Secretary William J. Perry expressed some uncertainty about whether the jet really was threatened, acknowledged that a simple statement to the effect may have been a false reading.

The Pentagon has been unable to substantiate a Saturday claim by an Iraqi anti-aircraft weapons system that it tracked his plane, prompting him to shoot a missile as well.

The Iraqi government has insisted in its guns have not been simi-

larly active in the last five years of its military conflicts with superpowers, may have had a false reading.

Pentagon intelligence said it had not received credible intelligence on any Iraqi military flights over southern Iraq, Baghdad's Foreign Ministry issued a statement Sunday denouncing the U.S. report of threatening actions "as baseless" and accusing the U.S. government of fabricating the accounts as "a means of election propaganda, American style."
As Charges of Racist Plot Mount

The president's action, though legal under Pakistan's constitution, was backed up by Pakistani army troops who surrounded Bhutto's house in the capital, Islamabad, as well as senatorial voting at television stations in major cities. The country's airports were closed. Bhutto, 45, elected prime minister in 1993, was reported to be in hiding but not under formal detention. The decade marked the second time that Bhutto has been dismissed from the prime minister's office on charges of unconstitutionality. In 1988, a new blow to Pakistan's faltering democracy, Prime Minister Mohsinul Haq, under pressure from the military, no elected Pakistani prime minister has finished a full term in office, and Bhutto's predecessor, Nawaz Sharif, had been forced to rescind his 1:45 a.m. call for new elections to be held Feb 3. Senior official sources said that Malik Meraj Khalid, a founding member of Bhutto's Pakistan People's Party, would take over as acting prime minister Tuesday.

Bhutto's dismissal came amid a bitter political struggle with the Supreme Court, which recently thwarted Bhutto's attempt to appoint political loyalists as judges by ruling that judicial appointments were the prerogative of the president. Bhutto also was lauded by the black community and by a new blow to Pakistan's faltering democracy. Prime Minister Mohsinul Haq, under pressure from the military, no elected Pakistani prime minister has finished a full term in office, and Bhutto's predecessor, Nawaz Sharif, had been forced to rescind his 1:45 a.m. call for new elections to be held Feb 3. Senior official sources said that Malik Meraj Khalid, a founding member of Bhutto's Pakistan People's Party, would take over as acting prime minister Tuesday.

The Supreme Court Monday rejected an appeal by Mississippi civil rights leaders who allow student prayer in public schools, choosing once again to stand clear of the trench debate over prayer in the national classroom.

The justices refused to revive a 1994 state law that would have allowed student-led prayer at all school events, a law that a lower court had found unconstitutional. In their failed appeal, Mississippi officials had asserted that "in a public school climate characterized by a racial diversity similar to that of our students, "the time is ripe for making a new approach to prayer in public schools that respects the concerns of Mississippi's diverse citizens."

Three-Day Ski Trip to Smuggler's Notch

Three-Day Ski Trip to Smuggler's Notch

Graduate Student Council
Room 50-220 • x3-2195 • http://www.mit.edu/activities/gsc

Supreme Court Rejects Appeal On School Prayer

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Clinton Endorsement Unjustified

The Tech's endorsement on Friday of Bill Clinton for president is one of the most pathetic demonstrations of support ever witnessed by this young adult. By lifting its col- lection of words to such a lofty and sanctimonious plane in its editorial, The Tech has further strengthened my resolve to vote for Bob Dole. How can you acknowledge Clinton's low-life, ethical shortcomings and validate your support of him by citing accomplishments effected in actuality by the GOP congress? I am prepared to take a look at the long and disparaged on the published in the very same page as the one you published. I hope you will see that your reachability has resulted an all- time low, just like that of the American presidency.

Marc J. DeMille
Senior Staff Assistant
Student Financial Aid Office

MIT Tetter System Falls Short

I have two MIT degrees and am a disser- tation away from a third. While this obligates me to a certain degree of pride in MIT, especially with respect to that school down the street, I am currently spending a semester as a full- time Harvard student and have developed some first-hand knowledge with which to compare the two schools. I recently spent a week trying to get my Internet access to each school. I can therefore state categorically that along this narrow criteria MIT loses.

Circulation

The Tech

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Letters and Cartoons: letters@the-tech.mit.edu
Editorial: editor@the-tech.mit.edu
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The Boston Consulting Group Asia

Invites all first-year MBA students to a Presentation on the 1997 Asian Summer Intern Program with BCG representatives from the Asian offices

Presentation and Reception on
Thursday, November 7, 1996 at 6:00 p.m.
The Charles Hotel, One Bennett Street, Cambridge
Dress Attire: Casual

R.S.V.P. Ms. Carolyn Scanlon, (617)854-4644
By:10.S. 

Budding entrepreneurs are gear-
ing up for this year's 50K competi-
tion, with starter kit competition en-
tries deadlines and workshops for participants taking place in coming weeks.

The 50K competition officially kicked off on Oct. 24 with a speech by Bob Swanow '69, one of the co-
founders of Genentech, Inc.

An "Ideas Generation Workshop" will be held Thursday in 3-170 at 6 p.m. This workshop will focus on helping contestants devel-
oping some ideas to market and evalu-
ate the feasibility of their ideas.

The ideas seminar is a way for people to find team members, evalu-
ate ideas, and get feedback to get started to enter the $1K," said Barbara B. Bartoli, '68, lead evan-
ue list of the 50K organization.

The 50K competition is a procu-
sor to the main competition in the spring. "The $1K is a warm-up to get people thinking about a high-quality business idea," said Joust P. Bennes '72, lead organizer of the 1994 and 1995 competitions.

$50K entries are totally inde-
pendent from $1K entries, if you’re not in the $1K you can still enter the $50K, but you’re just starting that much earlier for the $1K, and it always helps," said Will N. Churanan G. lead organizer of this

year's contest. Entries for the 50K competition are due on Nov. 26, and the winners will be announced on Dec. 10. The 50K contestants will then have a chance to further develop their business plans at special sessions during Independent Activities Period and refine their plans by the deadline for the $50K entries on Feb. 26.

"The best teams have a good mix of technological and business talent and experience coming together in a team to complement each other with both undergraduate and graduate students," Bonsen said.

Currently, there are over 400 people on the 50K competition mailing list with 200 expected team entries. About 35 people are also involved in the organizing team, working on coordinating events, reaching out to sponsors, and publish-
ing and running the contest.

$50K gives businesses a good start in the eight-year history of the 50K contest, over $100,000 in cash and business-start-up services have been awarded to winners.

Many local start-up companies have been spawned from 50K entries, both from overall winners and from entrants who were elimi-
nated as early as the first round of competition.

One 1991 team which went on to become Stylus Innovations licensed its original technology for roughly $5.8 million, a return on investment of the competition that was responsible for its genesis.

"This contest is an excellent motivator to get a team of people to think through all the important parts of a business plan," said Peter B. Schmidt '88, cofounder of Midlight Networks, who was involved with the 1991-92 contest and made the decision to start a business while he was an undergraduate.

Many believe the contest is par-ticularly well-suited for MIT. "MIT fundamentally is about pioneering and creating new and better things. Entrepreneurship is an important component of it, plus invention and scientific discovery," Bonsen said.

"Our goal is to increase the total number of people who start compa-
nies and to increase the percentage of the total that succeed."

"This money is a magnet for people doing entrepreneurial things at MIT. It’s good to work on this and learn from judges and speakers, get advice, and get exposed to powerful networking from people with lots of experience who know all sorts of venture capitalists who can help with connections," Churanan said.

"The prize money improves the backsides of the people. The big value of the com-
petition is the amazing network of resources you tap into," Churanan said.
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THE OPPORTUNITIES ARE YOURS.

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Venue: 24-121
Date: November 6
Time: 8 pm

Undergraduates and postgraduates are welcome. Please bring along your resumes.

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Prestige • Challenging and interesting work • Financial rewards • Career progression • Global exposure and training
Kevin M. Trexler '98 recovers a fumble, leading to MIT's first touchdown of Saturday's football game and giving MIT a lead in the third quarter. MIT beat UMass Boston 15-6.
Spring Carnival Revived by APO
To Promote Community Growth

By Orli G. Bahcall
Assistant News Editor

Alpha Phi Omega plans to revive its Spring Carnival this year after the carnival's 20-year absence from campus.

The carnival will take place on April 26, the Saturday after the spring semester drop date, on Kresge Oval.

The carnival is meant to be "in the spirit of Spring Weekend, where people come out and have fun," Chang said. "We're just trying to organize it on a larger scale, to bring more of the campus out to have fun," said Carnival Chairman Lan-Chun Chang '98.

APO is a coed national service fraternity that has been active in promoting public service at MIT for 60 years.

Chang decided to resurrect the tradition of a Spring Carnival, formerly an annual event held by APO, while she was "looking through some APO archives."

As of yet, there are no specific plans for this year's Carnival. "We are trying to keep the structure loose enough to accommodate what people are interested in and keep them involved," Chang said.

Attractions of the last Carnival included an egg and flap jack toss, pretty funny too," Chang said. Carnival will unite student groups

While the student body "still has large gatherings, we have nothing where we can gather along with our professors and the people of the community," Rodriguez said. Most student activities now are aimed toward a specific group of students, he said.

By inviting all MIT-affiliated personnel and students as well as members of nearby communities, APO hopes to bring the student body back together while promoting interaction between students and the rest of the community, Rodriguez said.

The Spring Carnival is an ideal way to "get the MIT spirit going in full force and encourage interaction between groups," Chang said.

APO alumni recall that when the carnival was held several decades ago at MIT, there was much more friendly interaction among living groups, Chang said. The carnival "should be big and draw a lot of people. We hope to get lots of interaction between different groups of students that we have here. MIT is a very diverse place and has lots of different people interested in different things," Chang said.

Carnival has several goals

There are two main incentives for student groups to participate, Rodriguez said. First, the carnival is a good fundraiser for the groups who participate in it. Second, the carnival is a service to the community. A percentage of all the money raised at Spring Carnival will be donated to a charity, he said.

Spring Carnival was started to allow student groups to "come out and run a fundraising activity and provide a service for the community," and let APO deal with the paper work, Rodriguez said.

APO is not currently trying to pressure student groups to get involved, Rodriguez said. Rather, APO is hoping that student groups will want to get involved once they see that the entire community will be interested.

Informational packets have been sent to living groups and activities to describe the plans for the carnival. Application packets for groups to register booths at the carnival will go out in early November and will have to be turned in by early December.

By asking for responses so early, APO hopes to get a feeling as to whether "there is enough interest for the carnival to be feasible," Chang said.

Questions about the carnival should be sent to carnival@mit.edu.

"These examples attracted me to the idea of a more student-run event and beds," Chang said.

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SHARPEN YOUR FOCUS

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ROOM 4-159

PRESENTATION: 6:00 PM
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Revitalization of CEG Follows Discussions of Past Difficulties

CEG, from Page 1

are more editors to divide the work, and eventually some of the data compilation may be absorbed by different departments, said Associate Dean of Undergraduate Academic Affairs Peggy Enders. A lot of the busywork for editors will be eliminated this year when forms are scanned and other students are hired to do the paperwork that the editors have typically taken on, Lee said. The group investigating a long-term solution to the CEG's problems — called the discovery team — will consist of students, faculty, and staff, and it will look for the best model on which to run the guide, Enders said. "The ideal model would be based on finding out what people want, seeing what other schools do, and finding a place outside of a student group to do the grant work," Enders said.

Faculty expressed some concern over the lack of a Spring 1997 guide, as well as the delay in receiving feedback on their courses. "I hope that this time students are able to concentrate on a first-class guide to the subjects and not worry about paper-polling," Enders said.

CEG will return to old forms Additionally, the CEG will not use the new questionnaires created last term that included full-sentence evaluations. It will instead use the previous system where students filled out bubble forms that could be scanned electronically.

The new form "asked a lot of questions that were difficult to answer," Enders said. People were happier with the data from the old one, she said.

The guide will continue to be placed on the World Wide Web, reflecting a move that was made last year mostly because of publishing costs, Enders said. Only a limited number of copies will be printed this term, although it is possible that more copies of the guide will be distributed in the future, said Kanae Mukai '98, one of the editors for this term's guide. The CEG has already ordered its evaluation forms and is currently advertising for student workers, Mukai said. "There are a lot of little details we have to work on."

If you are unable to arrange an interview, please forward a resume to: Human Resources, Software Emancipation Technology, Inc., 30 Maguire Road, Software Lexington, MA 02173; or fax to (617) 863-5441; or email: klmb@setech.com.
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November 7, 1996
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MIT Room 9-150

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The Fourteenth Robert Bruce Wallace Lecture

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Be sure to visit our WEB SITE at http://www.oracle.com. Equal salaries will always get equal opportunity.
Bidwai called for a gradual process that would have no force unless specific countries, crucial to their region, sign it. Bidwai said. He cited Israel as an example and India as another. If the treaty succeeded, it would be milestone, he said, but if key nations did not sign, the result would be tragic.

Though the test ban does not include disarmament policies, it would reinforce nuclear restraint and slow down the arms race, Bidwai said. The world disables 2,000 nuclear weapons a year, a process if continued would eliminate all weapons in 20 years, he said.

India and Pakistan have played a large role in those nations' refusal to sign the treaty. Other motives underlying such a move are hard to pin down, as the three speakers demonstrated.

All three agreed that nuclear weapons should be completely destroyed, but they did not all agree that India should have signed the treaty. Bidwai calls for gradual process that would have no force unless specific countries, crucial to their region, sign it.

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All three agreed that nuclear weapons should be completely destroyed, but they did not all agree that India should have signed the treaty.
Damned for Life
By Jca

MAN, IT'S SUCH A BEAUTIFUL DAY! TOO BAD I HAVE TO SPEND IT ALL IN CLASS.

WE DON'T HAVE TO GO TO CLASS... WE CAN SPEND ALL DAY AT THE ... GALLERIA!

Off Course
By Hugo

ARE YOU GOING TO VOTE?
YES, BUT FIRST I HAVE TO FINISH THIS PROGRAM.
WHAT IS IT DOING?
IT'S SORTING THROUGH ALL MY PREFERENCES TO DETERMINE WHO I SHOULD VOTE FOR.

 THERE!
 I'M DONE.

WHO ARE YOU GOING TO VOTE FOR?

PUZZLE SOLUTIONS FROM LAST ISSUE

ACROSS
1 Serious wrongdoing
6 Brown pigment
11 Felon
13 Retallate for
15 Quimemetic
16 Ornamental dish
17 Sheepmanean killer
18 Affine
20 Electrical unit
21 British word suffix
22 Snaps again
26 Zhou Character
27 Trigonometric ratio (abbreviation)
28 Avoidance
29 Prefix: threefold
30 Manors
32 Jungle animal
34 Make a mistake
35 Musical syllable
37 Sufix for correspond
38 Calender abbreviation
39 First lady
40 To go
41 Thankless one
42 Moorehead and De Mille
43 Inclement
44 River features
45 Sell
52 Landboy fishermen
53 Tax collectors
54 Make a secondhand deal
55 Turned inside out
56 Star of "Lilies of the Field"
57 Night nuisances
58 On the way (2 wds.)
59 Energy agency (abbreviation)
60 Sur of the Bobbsey Twins
61 Dish
62 Suffix for love
63 Prefix: mouth
64 One of the Bobbsey Twins
65 Prefix: mouth

DOWN
1 Interacts
2 Esteem
3 Mineral suffix
4 Color
5 Suffix for correspond
6 Calendar abbreviation
7 First lady
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9 Thankless one
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51 Suffix for love
52 Prefix: mouth
53 One of the Bobbsey Twins
54 Dish
55 Prefix: mouth

SOLUTIONS IN THE NEXT EDITION OF THE TECH
Where in tarnation did I get these FREE Movie Tickets?

The last thing I remember was getting home about 45 minutes after I was supposed to call Jen. I was definitely in the doghouse. But I had used up my change trying to remedy a laundry fiasco where all of my tightie-whities were dyed pink by a single red sock. I couldn't even call her to patch things up.

So I stopped at the store and bought a NYNEX Prepaid Calling Card. There were FREE movie tickets in the package. Then it hit me: Not only could I use my Prepaid Card to call and beg her forgiveness, but I could take her to a FREE flick, too. I knew I had thought up something brilliant to win her back. I just couldn't remember what it was. Hope she likes pink.

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With Election Looming Near, Groups Try to Get Out the Vote

Elections, from Page 1

willingsness to invest in the future through support of education and research. Make up your own minds, but do show that you care by vot-

ing.

Students support their party

Democrats and Republicans, however, remain in support of their respective candidates. "Bill Clinton's more in tune with young voters. While I don't neces-

sarily agree with everything he does, he's done a lot in terms of for-

eign policy, domestic issues and education," Hassan said.

"Dole is truly the better man for America. His stands on the issues, while not perfect, are at least on the right track," said William Schneider.

The political groups have been involved in a number of campaign activities this year.

The College Democrats, founded only last March, took on a 'get out the vote' effort this year, said Areej Hassan '99, co-president of the group.

As part of this effort, the group ran an absentee ballot drive.

"We have gotten 200 people to vote, Hassan said.

In addition to on-campus activities, the group worked with the Massachusetts Democratic Party to get students involved in rallies.

Some members had the opportu-

nity to be in a commercial with Senator John Kerry, who is running for re-election to his senate seat in Massachusetts. Governor William Weld. Others volunteered at the Fleet Center Victory concert at which Kerry campaigned with Clinton.

Republicans focus off campus

While College Democrats were active on campus and off, the MIT Republicans focus off campus.

The College Republicans, founded in 1994, are a branch of the local Republican Party, and believe that we could have a meaningful impact to be in a commercial with Senator John Kerry, who is running for re-election to his senate seat in Massachusetts. Governor William Weld. Others volunteered at the Fleet Center Victory concert at which Kerry campaigned with Clinton.

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"I was looking to join one of the world's top technology companies. (I found it in the financial district.)"
Professor of Electrical Engineering and Computer Science Abraham Bers ScD ’55 discusses his work in plasma electrodynamics with Toshimitsu Musha at the 50th anniversary celebration for the Research Lab of Electronics. The celebration took place this Friday and Saturday.

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THE POLICE LOG

The following incidents were reported to the Campus Police between Oct. 24 and 30:

Oct. 24: Bldg. 2, tire stolen from bicycle, $60; Tang Center, suspicious persons, trespass warnings issued; Bldg. 38, suspicious person, trespass warning issued.

Oct. 25: Bldg. E19, laptop stolen and later recovered; Bldg. E39, harassing phone calls; East Campus, wallet stolen, $50; Johnson Athletics Center, sump pump stolen.

Oct. 26: Student Center, Morris Stalling, of 52 Stanwood St. #3, Dorchester, arrested for trespassing; Bldg. 13, bicycle stolen from rack, $250.

Oct. 27: Briggs Field, assault between two soccer players.

Oct. 29: Bldg. 66, wallet removed with $7 cash from a backpack wallet, wallet later recovered; Bldg. NE43, suspicious package, discovered to be a projector; DuPont Gymnasium, backpack stolen from basketball court, later recovered minus $30 cash.

Oct. 30: Student Center, wallet left in phone booth, later recovered in WW15 parking lot, nothing missing; Bldg. 33, suspicious person.

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Order now to receive it before the holidays - great gift idea!
And how much solid waste CO2 wasted. How been a place to get ahead. waste at work. resources start Unfortunately, its lot of natural also a place where a around the next time you're at Turn off your light when you to fall behind. Take a look pa~ when writing a memo .. See work. See how are left on when people leave. in your lamps. Drink your run computers that much electricity are left on: Look at how much water is being used is ~ing in the restrooms. is being thrown out in the mlsh cans. We bet itsa lot. Now. I:rr Outside "YOU MUST HAVE A MEAL TICKET TO ATE AT ANYTIME IN THIS SPACE DONATED BY EARTH SHARE, INC. OUR WAY OF SAYING THANK YOU FOR YOUR SUPPORT.

BE LESS PRODUCTIVE AT THE OFFICE.
The office has always been a place to get ahead. Unfortunately, its also a place where a lot of natural resources start to fall behind. Take a look around the next time you're at work. See how many lights are left on when people leave. See how much paper is being wasted. How much electricity is being used to run computers that are left on. Look at how much water is being wasted in the restrooms. And how much solid waste is being thrown out in the trash cans. We bet it's a lot.

Now, here are some simple ways you can produce less waste at work. When you photocopy at the copier, only make the copies you need. Use both sides of the paper when writing a memo. Turn off your light when you leave. Use a lower watt bulb in your lamps. Drink your coffee or tea out of mugs instead of throwaway cups. Set up a recycling bin for aluminum cans and one for bottles. And when you're in the bathroom brushing your teeth or washing your face, don't let the faucet run.

Remember, if we use fewer resources today, we'll save more for tomorrow.

Earth Share
IT'S A CONNECTED WORLD. DO YOUR SHARE.
Just because something is old doesn’t mean it isn’t valuable.

I can relate to that. Maybe that’s why I’m never in a rush with these old guys. Sanding out a dent here and there, restoring the gears ...soon I’ll have all the time in the world for them, just like they have for me. That’s the beauty of retirement. And now that it’s almost here, I’m grateful that I started planning—early—with U.S. Savings Bonds. I started buying Savings Bonds when I got my first real job, through a Payroll Savings Plan. I put aside something every payday. And little by little, it really added up. Bonds are guaranteed safe, too, and earn interest up to 30 years.

In a few more years, you’ll find me out here in the workshop more and more, fixing a hinge or polishing a case. I know that there’s a lot of life left in these old guys. I can relate to that, too.
By Ramy A. Amaout

First of two parts.

Next June will mark an important changing of the guard at MIT, as Chairman of the Corporation Paul E. Gray '54 will step down after 10 years in the post. It will also mark a more personal milestone for Gray, who will have spent all but two of the past 47 years studying at, working at, or running the Institute.

In that time — starting as an undergraduate in 1950 and eventually becoming president and chairman — Gray has seen and overseen one of the greatest periods of growth and diversification of MIT's history, and has earned a reputation as a committed educator and skilled budget handler and fundraiser.

Gray shared his views on the endowment, undergraduate education, and other issues in a recent interview with The Tech.

Endowment is too low

The endowment — an all-purpose nest egg whose interest defrays a large part of the cost of educating students — is “perhaps the major responsibility of the chairman,” said Gray, who spearheaded the Institute's record-setting $710 million fundraiser in 1992. The $2.1 billion endowment is the 10th largest in the nation, a high enough, Gray said in the interview. “Any way you look at it, the Institute is underendowed; in absolute or per capita terms,” Gray said. A 10th-ranked endowment is not commensurate with MIT's often standings like the quality of programs, faculty, or admitted students, he said.

The numbers bear that view out: As one card. cardstock, U.S. News & World Report's annual rankings have put MIT in the top five for academic reputation, student selectivity, faculty resources, and overall score for many years.

Worse, endowment per student ranks near 20th in the nation, according to The Chronicle of Higher Education. “We are not satisfied with that low,” Gray said.

But the discrepancy is easier to see than it is to explain, Gray said. “Not anyone around here will give you a conclusive answer,” he said, but suggested that admissions practices may be in part to blame.

Many Ivy League schools give preference to legacies or people with other alumni connections, whereas MIT does not, Gray said. “Consequently, at Harvard, Dartmouth, Princeton, and [other universities] a significant portion of the class has family ties that go back two, three, or four generations. That develops family loyalties,” he said. On par, those loyalties can translate to lucrative gifts, he said.

But legacies are not the only connection. Gray said: “business schools also play a role. “Harvard, Stanford, and Penn have much larger MBA programs than we do — 10 years ago, larger by an order of magnitude,” he said. Graduates of those programs “go on to be captains of industry, and as such are a source of large gifts.”

Endowment lowers tuition costs

The practical importance of raising the endowment can be seen comparing the price of tuition to the total cost of a year's education at MIT, Gray said.

“If you count the total cost of education at MIT per student, you get a number approximately double that of tuition,” Gray said. Tuition was $20,100 last year, compared with a cost of education of $37,000, according to the Chronicle.

The $17,000 difference comes from two sources, Gray said: current gifts and the endowment.

Although the endowment is important, it is hard to speculate on where it is headed, Gray said. Because the Institute likes to save it for last-ditch, rainy-day spending on research or salaries, the endowment depends in large part on the future of federal research funding.

That funding in recent years has been uncertain, Gray said. However, funding this year has been better than expected, thanks to strong lobbying by academia and industry, he said. “Research budgets have either been slightly up or slightly down,” he said. “That's not an accidental result.”

President Charles M. Vest and other university leaders “made the case that if research is not sped by government, it will not be sped by corporations, and if it is not supported, it will impinge on our ability to innovate” as a nation, Gray said.

But the future remains unclear, Gray said. “Those arguments succeeded in this first year... But the question is, will it succeed” in the long term, he said.

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Gray has seen this kind of crisis before, although not on this scale. During his years as chancellor — a special deputy to the president position tailor-made for him — he was able to tweak MIT's budget to account for declining research spending in the late 1970s; he did the same about 10 years later. “But in neither case was the reduction [in federal spending] as dramatic as it is now,” he said.

Endowment is too low

The endowment — an all-purpose nest egg whose interest defrays a large part of the cost of educating students — is “perhaps the major responsibility of the chairman,” said Gray, who spearheaded the Institute's record-setting $710 million fundraiser in 1992. But while the $2.1 billion endowment is the 10th largest in the nation, a high enough, Gray said in the interview. “Any way you look at it, the Institute is underendowed; in absolute or per capita terms,” Gray said. A 10th-ranked endowment is not commensurate with MIT’s often standings like the quality of programs, faculty, or admitted students, he said.

The numbers bear that view out: As one card. cardstock, U.S. News & World Report's annual rankings have put MIT in the top five for academic reputation, student selectivity, faculty resources, and overall score for many years.

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Interested MIT Ph.D. students please mail resume and cover letter by Friday, November 15, 1996 to:

* Europe * North American * Latin American

Ms. Karen O'Sullivan
The Boston Consulting Group
Exchange Place, 31st Floor
Boston, MA 02109

Interviews for Ph.D. students are scheduled for Thursday, December 12, 1996 at The Charles Hotel, Cambridge, MA.

Students interested in our Asian Offices please mail resume and cover letter by Friday, November 1, 1996 to:

Ms. Carolyn Scanlon
The Boston Consulting Group
Exchange Place, 31st Floor
Boston, MA 02109

Interviews for Ph.D. students are scheduled for Friday, November 8, 1996 for our Asian offices at The Charles Hotel, Cambridge, MA.

Please state geographical preference on all correspondence.
Football Overcomes Deficit To Defeat UMass Boston 15–8

Football, from Page 28

Throughout the game, punting UMass with six sacks and holding them to a 3-1 yard advancement. Offensively MIT took a white to get started but turned it up after three consecutive completions to Redman to end the first half. MIT was led by quarterback Blackburn who threw two touchdowns while passing for 146 yards on 12 of 29 attempts. On the receiving end, Redman had another outstanding game to lead the Engineers in rushing with 42 yards on 13 carries.

Women's Tennis Finishes Season 8–2

By Sarah Kringer

The women's tennis team ended their successful season with a six-win place finish at the New England Conference tournament last weekend. First singles player Meilan Nakamura '00 won her flight by defeating players from Babson College, Smith College, and Bowdoin College. Her final match was stunning as she cruised to a 6-4, 6-2 victory. Second singles Michelle Yoon '00 advanced to the semi-finals of her flight by defeating the second-seeded player in a well-played 6-3, 6-2 victory.

Both third and fourth singles players Nora Humphrey '98 and Lily Koo '97 were defeated in tough second-round matches. Fifth and sixth singles Sarah Kringer '97 and Fang G placed first, Feng Li '97 and Kevin Wu '98 placed sixth, and Frank Wang G and Rebecca Xiong G placed seventh.

The tournament ended an outstanding season for the women's tennis team, whose final record was 8-2. This record earned the Engineers a number two ranking in the New England Women's Eight Conference. In addition to this honor, Nakamura was named rookie of the year and Kringer was named to the all-conference team.

Ballroom Dance Team's Rookies Dominate Harvard Competition

By Vikas Bhushan

The ballroom dance team continued its tradition of dominating the annual Harvard Beginners' Competition held last weekend. At least 10 universities were represented in this competition, which is only open to rookies who compete in one of two categories: newcomers (for those just starting dancing this fall) and beginners (for those who started dancing no more than one year ago). Those who started dancing no more than one year ago).

The team places a strong emphasis every year on training their rookies to be competitive very early in the season. This is made possible in large part through the time and effort that the team's veteran members spend to help train the rookies. In addition, the rookies received coaching from the team's amateur coaches Warren Dew '81 and Elizabeth Earhart G and from their professional coaches at the Fred Astaire Dance Studio in Boston and at Studio 665 in Malden. The results at this competition reflected this effort and demonstrated the strength of MIT's rookie competitors.

There were two newcomer events at the competition: foxtrot and swing. In the foxtrot event, MIT had five couples competing, and all made it through the quarter and semifinal rounds to earn a spot in the seven-couple final. Kuochun Wu G and Wenjia Fang G placed first, Feng Li '97 and Susan Rushing '99 placed second, Justin Zhuang G and Lucila Barrera '99 and Alice Yang '00 placed sixth, and Frank Wang G and Rebecca Xiong G placed seventh.

The newcomer swing event had a record number of participants, and despite the strong competition, two couples from MIT made it through four qualifying rounds and placed in the final. The results at this competition will be instrumental in the team's tradition of dominating the annual Harvard Beginners' Competition.

The team plans to attend two more competitions this semester: at Brown University in late November and Yale University in early December. Both of these will be full-scale competitions with dancers competing at all levels – newcomers through advanced – as well as in open categories.

Given the strength of the rookies and the veterans on the team this year, the team is expecting to place well in all levels at these upcoming competitions.
Football Victory over UMass Brings Winning Streak to 3

By Sohail Husain '98

The football team played an excellent second half to recover from an early deficit to beat rival University of Massachusetts at Boston 15-8 on Saturday.

UMass scored a touchdown late in the first quarter to take an early 6-0 lead, but then quickly died as the Engineers took over the game. With a strong drive to end the first half, MIT began to play inspired football from there on out.

The Engineers' defense held UMass to zero points on their second possession of the second half, and a short punt of only 15 yards set MIT up with good field position at the UMass 36-yard line. Scott Blackburn '99 threw a 10-yard pass to Trent Redman '99 to set up the touchdown.

MIT ran a screen pass to the right with a couple of nice blocks to allow Daune Stevens '98 to run almost untouched into the end zone to complete the 25-yard touchdown play. MIT converted for two points on a short pass to Redman to tie the score at 6-6 late in the third quarter.

UMass soon came storming back as they converted a key fourth down conversion and was threatening inside the MIT 20 when Sam Park '99 recovered a fumble in the backfield and returned it 36 yards to set MIT up near midfield.

Four plays later, Blackburn capped a 43-yard drive with his second touchdown pass of the day to Redman for 32 yards. The extra point was good to put MIT up 15-6 with 10:13 left in the game.

UMass had several chances late in the game, but each time the Engineers were right there. MIT's punt on their next possession took a great bounce, and MIT downed it on the 1-yard line. The next play, it appeared MIT had sacked the UMass quarterback for a safety, but instead the referees spotted the ball on the 1-inch line.

Somehow UMass managed to get off a 34-yard pass that looked like a touchdown. Stevensquickly deflect ed UMass as he intercepted a Bean Паss pass attempt. It seemed it was all over with MIT on the UMass 23-yard line when the Engineers failed on fourth down to allow UMass one final chance to score with 1:53 left.

After a couple plays, Nick Coy '99 sealed the Engineers' victory as he picked up a big sack. As the whistle blew, the final score was 15-8.

MIT's defense played well in the second half.

Football, Page 27

Men's X-C Wins Conference Title

By Sohail Husain '98

This Saturday the men's cross-country team placed ninth at the Atlantic Conference at the CAC championships.

The Engineers seemed to be less than gracious hosts as they ran away with their seventh consecutive conference title, leaving nothing but dust for the rest of the seven-team field.

MIT took advantage of the clear skies and familiar course by grabbing control of the race in the first mile and never giving up the lead. In the end, the Engineers' dominance was clear as they ended the meet with 30 points — well ahead of the United States Coast Guard Academy and Springfield College, which tied for second place with 55 apiece.

Arnold Gao '00 led the field of runners, covering the 5-mile course in 25:44. Joining him in the top ten were: Sohail Husain '98, Frank Johnston '00, Brian Pope '99, Henry Iwao '98, and Travis Weinberg '98.

The team now has a week off before heading to the NCAA National Qualifier meet this Saturday at Westminster State College where the Engineers will race against two-time defending national champion Williams College and other schools for a trip to the Division III National Championships on Nov. 16.